

RECEIVED

MAY 23 2003

(STIC)

94910

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: JANE ZARA Examiner #: 77512 Date: 5/24/03
 Art Unit: 1635 Phone Number 306-5820 Serial Number: 091982892
 Mail Box and Bldg/Room Location: 11.D03 Results Format Preferred (circle): PAPER DISK E-MAIL
11e12

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Bioconjugates + Bio Delivery Agent
 Inventors (please provide full names): Grason et al

Earliest Priority Filing Date: 8/22/97

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please see Attached Structure
 + highlighted claims.

BEST AVAILABLE COPY

POINT OF CONTACT:
 PAUL SCHULWITZ
 TECHNICAL INFO. SPECIALIST
 CM1 6806 TEL. (703) 305-1954

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN <u>20 22500 466.34</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>1</u>	Questel/Orbit _____
Date Searcher Picked Up: <u>5/27</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>5/28</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>36</u>	Other _____	Other (specify) _____

File 5: Biosis Previews(R) 1969-2003/Jun W3
 (c) 2003 BIOSIS
 File 6: NTIS 1964-2003/Jun W4
 (c) 2003 NTIS, Intl Copyright All Rights Res
 File 8: Ei Compendex(R) 1970-2003/Jun W3
 (c) 2003 Elsevier Eng. Info. Inc.
 File 34: SciSearch(R) Cited Ref Sci 1990-2003/Jun W4
 (c) 2003 Inst for Sci Info
 File 65: Inside Conferences 1993-2003/Jun W4
 (c) 2003 BLDSC all rts. reserv.
 File 71: ELSEVIER BIOBASE 1994-2003/Jun W4
 (c) 2003 Elsevier Science B.V.
 File 73: EMBASE 1974-2003/Jun W3
 (c) 2003 Elsevier Science B.V.
 File 94: JICST-EPlus 1985-2003/Jun W4
 (c) 2003 Japan Science and Tech Corp(JST)
 File 98: General Sci Abs/Full-Text 1984-2003/May
 (c) 2003 The HW Wilson Co.
 File 99: Wilson Appl. Sci & Tech Abs 1983-2003/May
 (c) 2003 The HW Wilson Co.
 File 135: NewsRx Weekly Reports 1995-2003/Jun W3
 (c) 2003 NewsRx
 File 143: Biol. & Agric. Index 1983-2003/May
 (c) 2003 The HW Wilson Co
 File 144: Pascal 1973-2003/Jun W2
 (c) 2003 INIST/CNRS
 File 155: MEDLINE(R) 1966-2003/Jun W3
 (c) format only 2003 The Dialog Corp.
 File 172: EMBASE Alert 2003/Jun W4
 (c) 2003 Elsevier Science B.V.
 File 266: FEDRIP 2003/May
 Comp & dist by NTIS, Intl Copyright All Rights Res
 File 315: ChemEng & Biotech Abs 1970-2003/May
 (c) 2003 DECHEMA
 File 357: Derwent Biotech Res. 1982-2003/Jun W4
 (c) 2003 Thomson Derwent & ISI
 File 358: Current BioTech Abs 1983-2003/May
 (c) 2003 DECHEMA
 File 369: New Scientist 1994-2003/Jun W3
 (c) 2003 Reed Business Information Ltd.
 File 370: Science 1996-1999/Jul W3
 (c) 1999 AAAS
 File 399: CA SEARCH(R) 1967-2003/UD=13826
 (c) 2003 American Chemical Society
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 40: Enviroline(R) 1975-2003/Jun
 File 50: CAB Abstracts 1972-2003/May
 (c) 2003 CAB International
 File 103: Energy SciTec 1974-2003/Jun B1
 (c) 2003 Contains copyrighted material
 File 156: ToxFile 1965-2003/Jun W4
 (c) format only 2003 The Dialog Corporation
 File 162: Global Health 1983-2003/May
 (c) 2003 CAB International
 File 305: Analytical Abstracts 1980-2003/Jun W1
 (c) 2003 Royal Soc Chemistry
 File 35: Dissertation Abs Online 1861-2003/May
 (c) 2003 ProQuest Info&Learning
 File 48: SPORTDiscus 1962-2003/May
 (c) 2003 Sport Information Resource Centre
 File 91: MANTIS(TM) 1880-2002/Oct
 2002 (c) Action Potential
 File 149: TGG Health&Wellness DB(SM) 1976-2003/Jun W3
 (c) 2003 The Gale Group
 File 159: Cancerlit 1975-2002/Oct
 (c) format only 2002 Dialog Corporation

File 164:Allied & Complementary Medicine 1984-2003/Jun
(c) 2003 BLHCIS
File 442:AMA Journals 1982-2003/Dec B1
(c) 2003 Amer. Med. Assn. -FARS/DARS apply
File 444:New England Journal of Med. 1985-2003/Jun W5
(c) 2003 Mass. Med. Soc.
File 467:ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.

Set	Items	Description
S1	0	(CELL (W) MEDIATED (W) ENDOCYTOSIS) (S) TOXIC?
S2	611	COBALT (S) (CELL OR CELLULAR) (S) (DELIVERY OR UPTAKE)
S3	230	RD (unique items)
S4	2	S3 AND (VITAMIN (W) B12)

>>>KWIC option is not available in file(s): 399

4/3,K/1 (Item 1 from file: 5)
DIALOG(R)File 5:BIOSIS Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

09763879 BIOSIS NO.: 199598218797
**Effects of cobalt and vitamin B-12 on the growth of Chrysochromulina
polylepis (Prymnesiophyceae).**
AUTHOR: Graneli Edna(a); Risinger Lars
AUTHOR ADDRESS: (a)Ecology Bldg., Dep. Marine Ecology, S-223 62 Lund**
Sweden
JOURNAL: Marine Ecology Progress Series 113 (1-2):p177-183 1994
ISSN: 0171-8630
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Atlantic sea water with a low *cobalt* (Co) concentration (0.02 nM) was enriched with Co additions (0.2, 0.5, 1.0 and 3.0 nM), inoculated with a monoculture of...

...C. polylepis was 0.8 d-1. Growth rate during the exponential phase was not influenced by Co concentrations, possibly due to Co contamination. The *cell* quota of Co for C. polylepis in the stationary growth phase was estimated at 0.55 to 0.69 fg Co *cell*-1 based on *cell* yield in relation to Co *uptake* and 0.55 to 0.70 fg Co *cell*-1 based on analysis of cells. In the 1988 C. polylepis bloom in the Kattegat and Skagerrak, *cell* concentrations reached levels of 100 times 10-6 cells l-1, requiring a Co supply of at least 1 nM. Concentrations of Co in the...

...REGISTRY NUMBERS: *VITAMIN* *B12*;

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ...*VITAMIN* *B12*;

4/3,K/2 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.

82122910 CA: 82(19)122910k JOURNAL
Delivery of cobalt-57-labeled B12 (vitamin B12) to lymphoblasts derived from mice with transplanted 1210 ascities tumor cell by transcobalamins I, II, III
AUTHOR(S): Meyer, Leo M.; Gams, Richard A.; Ryel, Elaine M.; Miller, Inez E.; Kumar, Sudhir
LOCATION: Hematol. Sect., VA Hosp., Brooklyn, N. Y.
JOURNAL: Proc. Soc. Exp. Biol. Med. DATE: 1974 VOLUME: 147 NUMBER: 3
PAGES: 679-80 CODEN: PSEBAA LANGUAGE: English

File 5: Biosis Previews(R) 1969-2003/Jun W3
 (c) 2003 BIOSIS
 File 6: NTIS 1964-2003/Jun W4
 (c) 2003 NTIS, Intl Cpyrght All Rights Res
 File 8: Ei Compendex(R) 1970-2003/Jun W3
 (c) 2003 Elsevier Eng. Info. Inc.
 File 34: SciSearch(R) Cited Ref Sci 1990-2003/Jun W4
 (c) 2003 Inst for Sci Info
 File 65: Inside Conferences 1993-2003/Jun W4
 (c) 2003 BLDSC all rts. reserv.
 File 71: ELSEVIER BIOBASE 1994-2003/Jun W4
 (c) 2003 Elsevier Science B.V.
 File 73: EMBASE 1974-2003/Jun W3
 (c) 2003 Elsevier Science B.V.
 File 94: JICST-EPlus 1985-2003/Jun W4
 (c) 2003 Japan Science and Tech Corp(JST)
 File 98: General Sci Abs/Full-Text 1984-2003/May
 (c) 2003 The HW Wilson Co.
 File 99: Wilson Appl. Sci & Tech Abs 1983-2003/May
 (c) 2003 The HW Wilson Co.
 File 135: NewsRx Weekly Reports 1995-2003/Jun W3
 (c) 2003 NewsRx
 File 143: Biol. & Agric. Index 1983-2003/May
 (c) 2003 The HW Wilson Co
 File 144: Pascal 1973-2003/Jun W2
 (c) 2003 INIST/CNRS
 File 155: MEDLINE(R) 1966-2003/Jun W3
 (c) format only 2003 The Dialog Corp.
 File 172: EMBASE Alert 2003/Jun W4
 (c) 2003 Elsevier Science B.V.
 File 266: FEDRIP 2003/May
 Comp & dist by NTIS, Intl Copyright All Rights Res
 File 315: ChemEng & Biotech Abs 1970-2003/May
 (c) 2003 DECHEMA
 File 357: Derwent Biotech Res. 1982-2003/Jun W4
 (c) 2003 Thomson Derwent & ISI
 File 358: Current BioTech Abs 1983-2003/May
 (c) 2003 DECHEMA
 File 369: New Scientist 1994-2003/Jun W3
 (c) 2003 Reed Business Information Ltd.
 File 370: Science 1996-1999/Jul W3
 (c) 1999 AAAS
 File 399: CA SEARCH(R) 1967-2003/UD=13826
 (c) 2003 American Chemical Society
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 40: Enviroline(R) 1975-2003/Jun
 File 50: CAB Abstracts 1972-2003/May
 (c) 2003 CAB International
 File 103: Energy SciTec 1974-2003/Jun B1
 (c) 2003 Contains copyrighted material
 File 156: ToxFile 1965-2003/Jun W4
 (c) format only 2003 The Dialog Corporation
 File 162: Global Health 1983-2003/May
 (c) 2003 CAB International
 File 305: Analytical Abstracts 1980-2003/Jun W1
 (c) 2003 Royal Soc Chemistry
 File 35: Dissertation Abs Online 1861-2003/May
 (c) 2003 ProQuest Info&Learning
 File 48: SPORTDiscus 1962-2003/May
 (c) 2003 Sport Information Resource Centre
 File 91: MANTIS(TM) 1880-2002/Oct
 2002 (c) Action Potential
 File 149: TGG Health&Wellness DB(SM) 1976-2003/Jun W3
 (c) 2003 The Gale Group
 File 159: Cancerlit 1975-2002/Oct
 (c) format only 2002 Dialog Corporation

File 164:Allied & Complementary Medicine 1984-2003/Jun

(c) 2003 BLHCIS

File 442:AMA Journals 1982-2003/Dec B1

(c)2003 Amer. Med. Assn. -FARS/DARS apply

File 444:New England Journal of Med. 1985-2003/Jun W5

(c) 2003 Mass. Med. Soc.

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

Set	Items	Description
S1	0	(CELL (W) MEDIATED (W) ENDOCYTOSIS) (S) TOXIC?
S2	611	COBALT (S) (CELL OR CELLULAR) (S) (DELIVERY OR UPTAKE)
S3	230	RD (unique items)
S4	2	S3 AND (VITAMIN (W) B12)
S5	374	(VITAMIN (W) B12) (S) DELIVER?
S6	127	S5 (S) CELL?
S7	68	RD (unique items)
S8	9	S7 AND (COMPLEX? OR CONJUGAT?)
S9	11	S7 AND UPTAKE
S10	11	RD (unique items)